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**UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH ADMINISTRATION**

SERVICE AND REGULATORY ANNOUNCEMENTS

BUREAU OF ANIMAL INDUSTRY

MARCH 1946

This publication is issued monthly for the dissemination of information, instructions, rulings, etc., concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the Bureau, establishments at which official inspection work is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at 5 cents each, or 25 cents a year (foreign, 60 cents). A supply will be sent to each official in charge of a station or branch of the Bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.

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CHANGES IN DIRECTORY

Change of Official in Charge

Dr. Thomas W. Boman succeeds Dr. Louis S. Baer (acting) as inspector in charge at Columbia, S. C., effective March 24, 1946.

Dr. Fred M. Shigley succeeds Dr. Frederik Low (acting) as inspector in charge at Bismarck, N. Dak., effective March 17, 1946.

**LIVESTOCK INSPECTED WHEN OFFERED FOR IMPORTATION,
FEBRUARY 1946**

Port of entry	Cattle	Swine	Sheep	Goats	Horses	Mules and asses
Méxican border ports	47,652					
Canadian border ports	5,415	69	82			
Total:						
February 1946	53,067	69	82		749	2
February 1945	60,798	86	17,181	1	785	13

Refused entry: 4 cattle. (This figure is not included in the table above.)

SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, FEBRUARY 1946

State or Territory	Tuberculin tests during month			Accredited herds ¹	Herds under supervision	Inspector in charge	State official
	Cattle	Infect- ed pre- mises	Cattle re- acted				
Alabama.....	3,513	1	1	713	271,588	B. N. Lauderdale.	R. S. Sugg, Auburn.
Arizona.....	2,113	6	11	2	12,593	F. L. Schneider.	Vego Mikkelsen, Phoenix.
Arkansas.....	1,120	2	2	0	228,256	A. W. Rice.....	Joe S. Campbell, Little Rock.
California.....	40,289	31	94	7	74,669	H. M. O'Rear.....	A. K. Carr, Sacramento.
Colorado.....	2,236	6	6	23	60,486	Edgar Heiny.....	R. M. Gow, Denver.
Connecticut.....	16,244	11	40	14,003	15,265	R. L. Smith.....	Robert E. Foote, Hartford.
Delaware.....	4,761	4	7	2,176	7,720	O. L. Lockwood.....	Harry McDaniel, Jr., Dover
Dist. of Col.....	0	0	0	0	17	A. E. Wright.....	
Florida.....	4,544	0	0	46	67,656	T. H. Applewhite.....	J. V. Knapp, Tallahassee.
Georgia.....	1,094	0	0	79	243,183	W. C. Dendinger.....	Tom Linder, Atlanta.
Idaho.....	1,143	1	1	28	51,500	F. F. Fischer.....	A. P. Schneider, Boise.
Illinois.....	55,056	90	153	687	244,344	A. K. Kuttler.....	C. E. Fidler, Springfield.
Indiana.....	10,429	18	31	1,166	147,750	W. A. Sullivan.....	G. E. Botkin, Indianapolis.
Iowa.....	155,516	584	842	457	194,440	J. A. Barger.....	C. C. Franks, Des Moines.
Kansas.....	16,736	35	67	146	171,032	W. E. Logan.....	Will J. Miller, Topeka.
Kentucky.....	2,477	1	2	18	163,867	E. E. Coshow.....	B. F. Pigg, Frankfort.
Louisiana.....	1,120	1	2	0	148,804	E. C. Hughes.....	E. P. Flower, Baton Rouge
Maine.....	886	0	0	126	43,817	B. J. Cady.....	Francis G. Buzzell, Augus- ta.
Maryland.....	16,466	9	9	14,756	45,403	O. L. Lockwood.....	A. L. Brueckner, Balti- more.
Massachusetts.....	22,761	33	86	19,869	21,362	E. M. Aldrich.....	Harrie W. Peirce, Boston.
Michigan.....	28,146	25	39	69	207,087	C. H. Hays.....	C. H. Clark, Lansing.
Minnesota.....	6,815	5	20	612	182,691	F. C. Driver.....	Ralph L. West, St. Paul.
Mississippi.....	0	0	0	0	260,174	Hartwell Robbins.....	H. C. Simmons, Jackson.
Missouri.....	1,914	1	3	60	239,687	W. A. McDonald.....	H. E. Curry, Jefferson City
Montana.....	1,659	0	0	19	73,033	G. W. Cronen.....	W. J. Butler, Helena.
Nebraska.....	10,677	18	25	25	135,277	J. W. Murdoch.....	J. R. Snyder, Lincoln.
Nevada.....	568	0	0	0	3,441	S. H. Still.....	W. B. Earl, Reno.
New Hampshire.....	6,621	2	2	17,352	20,555	E. M. Aldrich.....	R. W. Smith, Concord.
New Jersey.....	20,867	69	108	12,632	15,289	J. R. Porteus.....	R. A. Hendershot, Tren- ton.
New Mexico.....	226	0	0	1	25,450	F. L. Schneider.....	Sam McCue, Albuquerque
New York.....	76,897	58	144	113,306	122,420	H. B. Leonard.....	Ivan G. Howe, Albany.
North Carolina.....	2,189	0	0	562	256,713	A. A. Husman.....	William Moore, Raleigh.
North Dakota.....	1,474	0	0	147	68,003	Frederik Low.....	T. O. Brandenburg, Bis- marck.
Ohio.....	55,731	41	95	776	236,376	A. J. DeFosset.....	D. C. Hyde, Columbus.
Oklahoma.....	2,672	4	4	13	160,428	C. H. Faucks.....	W. W. Roseberry, Okla- homa City.
Oregon.....	14,256	14	21	2,182	162,600	S. B. Foster.....	W. H. Lytle, Salem.
Pennsylvania.....	27,098	20	67	6,180	184,221	J. B. Reidy.....	C. P. Bishop, Harrisburg.
Rhode Island.....	2,643	3	3	2,561	2,852	E. M. Aldrich.....	J. S. Barber, Providence.
South Carolina.....	2,183	1	1	117	57,325	L. S. Baer.....	R. A. Mays, Columbia.
South Dakota.....	4,089	2	3	3	73,365	Neil Plank.....	R. S. Robinson, Pierre.
Tennessee.....	1,609	4	11	23	294,936	H. L. Fry.....	C. E. Kord, Nashville.
Texas.....	14,570	4	7	62	372,281	H. L. Darby.....	Dan J. Anderson, Fort Worth.
Utah.....	3,840	7	7	0	87,311	F. H. Melvin.....	J. I. Curtis, Salt Lake City.
Vermont.....	22,624	23	150	15,192	21,675	N. H. Howlett.....	Stanley Judd, Montpelier.
Virginia.....	7,293	3	15	486	199,500	H. S. Miller.....	H. C. Givens, Richmond.
Washington.....	5,036	4	6	10	87,090	J. C. Exline.....	H. A. Trippier, Olympia.
West Virginia.....	4,661	1	1	612	116,038	H. M. Newton.....	T. C. Green, Charleston.
Wisconsin.....	36,152	10	22	4,321	179,527	J. S. Healy.....	V. S. Larson, Madison.
Wyoming.....	322	0	0	2	21,893	W. I. Bowersox.....	George H. Good, Cheyenne.
Hawaii.....	0	0	0	0	1,800	A. H. Julien.....	E. H. Willers, Honolulu.
Puerto Rico.....	7,553	7	12	0	62,508	E. E. Maas.....	Luis A. Izquierdo, San Juan.
Virgin Islands.....	0	0	0	0	420	E. E. Maas.....	H. L. Butler, Christian- sted.
Total.....	728,889	1,159	2,120	231,635	6,125,778		

¹ All States are 100 percent modified accredited. Puerto Rico and the Virgin Islands are also in the modified accredited area.

SUMMARY OF BRUCELLOSIS (BANG'S DISEASE) WORK IN COOPERATION WITH STATES, FEBRUARY 1946¹

State or Territory	Tests made of blood samples during month		Tests of herds containing reactors				Calves vaccinated during month	Modified accredited counties	Total accredited	Herd under supervision	Total cattle on waiting list					
	Herd	Cattle			Reactors											
			Herd	Cattle	For slaughter	Held in calf-hood, vacinated herds ²										
Alabama.....	1,216	9,478	49	5,962	295	190	468	43	1	62	179,403	2,637				
Arizona.....	343	2,065	34	891	151	0	100	0	1	86	1,181	0				
Arkansas.....	263	4,042	69	1,823	194	129	506	14	0	0	223,453	0				
California.....	1	52	1	52	0	8	289	0	0	0	254	7,753				
Colorado.....	300	2,567	70	992	0	193	1,219	0	9	397	3,731	2,221				
Connecticut.....	90	1,969	20	674	36	0	1,576	0	311	7,496	905	0				
Delaware.....	96	1,517	12	479	30	26	285	0	493	7,951	5,276	0				
Florida.....	327	7,236	41	2,261	70	41	477	0	106	6,976	34,381	0				
Georgia.....	382	5,962	24	2,050	173	0	64	33	2,711	129,025	205,450	0				
Idaho.....	349	3,467	72	1,096	179	20	1,689	9	311	5,339	45,431	0				
Illinois.....	3,893	41,259	778	14,935	539	1,852	6,736	0	155	3,374	107,067	141,537				
Indiana.....	929	8,989	271	3,130	792	0	183	0	21	416	1,055	14,670				
Iowa.....	1,582	16,220	585	8,039	1,609	0	2,292	0	2,667	42,708	36,370	0				
Kansas.....	1,252	10,020	339	4,150	737	24	93	0	244	5,376	10,347	615				
Kentucky.....	141	3,121	31	1,010	78	36	300	0	45	1,266	37,050	4,523				
Louisiana.....	227	2,016	57	1,108	95	78	2,129	4	0	0	62,271	21,726				
Maine.....	572	9,269	180	4,139	256	14	304	9	249	5,238	33,289	0				
Maryland.....	404	6,349	62	1,422	168	5	551	7	3,339	57,397	26,606	0				
Massachusetts.....	0	0	0	0	0	0	670	0	98	4,705	5,114	0				
Michigan.....	943	9,757	102	1,844	220	20	406	31	1,376	34,742	31,672	342				
Minnesota.....	1,810	31,755	625	9,285	2,541	0	839	21	150	5,361	98,656	57,731				
Mississippi.....	47	1,358	26	987	49	0	50	5	158	5,024	8,374	0				
Missouri.....	289	4,025	82	1,387	221	59	252	0	18	1,008	95,398	0				
Montana.....	119	1,971	27	745	36	30	1,930	0	15	856	3,728	0				
Nebraska.....	65	1,170	19	573	80	0	0	0	114	2,791	7,549	0				
Nevada.....	76	1,412	15	450	76	0	101	0	57	1,875	391	0				
New Hampshire.....	608	8,095	169	3,096	261	0	465	4	10,349	77,562	17,317	0				
New Jersey.....	208	4,816	14	1,056	13	6	263	0	908	11,315	1,626	0				
New Mexico.....	236	2,773	13	246	30	0	172	0	32	1,542	2,361	0				
New York.....	1,071	29,595	924	27,771	4	3,396	7,656	0	2,758	49,356	31,551	150,000				
North Carolina.....	583	9,884	36	1,774	84	12	37	100	602	20,195	249,084	0				
North Dakota.....	143	3,238	36	680	184	0	1,188	26	12	528	54,972	159,090				
Ohio.....	1,467	19,232	339	5,611	1,239	57	1,770	6	3,400	63,240	68,633	350,000				
Oklahoma.....	408	7,427	141	3,467	448	0	446	0	489	10,893	2,122	1,880				
Oregon.....	3,041	24,266	127	3,113	265	0	618	17	0	0	119,635	0				
Pennsylvania.....	3,199	43,541	596	12,335	1,484	0	2,451	22	6,386	147,532	76,358	126,512				
Rhode Island.....	10	347	1	22	3	0	27	0	37	668	96	0				
South Carolina.....	159	2,876	14	541	45	4	15	10	81	5,848	41,469	4,000				
South Dakota.....	70	1,450	25	978	71	90	1,734	0	4	290	3,603	2,500				
Tennessee.....	214	5,169	101	2,771	305	79	1,238	4	516	16,339	46,793	5,743				
Texas.....	78	1,290	21	627	65	0	381	0	527	10,493	1,514	0				
Utah.....	391	3,145	84	1,142	0	215	1,279	0	3	70	8,763	0				
Vermont.....	667	13,181	122	3,265	0	479	1,868	0	839	20,653	6,002	8,056				
Virginia.....	341	5,762	43	1,221	131	1	404	71	175	9,823	189,128	78,761				
Washington.....	688	11,264	131	4,346	471	47	2,491	19	0	0	73,950	0				
West Virginia.....	357	5,700	30	814	65	0	171	32	270	2,721	73,785	0				
Wisconsin.....	794	19,966	293	8,145	659	196	5,409	8	5,878	174,344	75,835	20,081				
Wyoming.....	185	2,260	20	555	97	48	931	0	2	489	5,945	0				
Puerto Rico.....	16	1,097	4	552	4	44	110	0	12	629	79	1,790				
Totals.....	30,650	413,450	6,950	153,642	14,553	7,399	54,584	526	43,241	827,685	2,338,598	1,367,618				

¹ Officials in charge of brucellosis work are the same as those listed in summary of tuberculosis-eradication work.

² Nonvaccinated reactors held during the month.

BIOLOGICAL PRODUCTS PREPARED UNDER LICENSES, FEBRUARY 1946

Anti-hog-cholera serum

Period	Preserved (processed)	Completed (batched)	Released	Destroyed
February 1946-----	Cc. 88,549,774	Cc. 94,450,318	Cc. 77,471,105	Cc. 371,770
February 1945-----	80,981,584	72,842,727	79,158,975	280,200
8 months ended-----				
February 1946-----	746,898,929	739,277,905	759,793,070	3,437,263
February 1945-----	843,483,734	858,779,852	853,104,775	3,710,108

Hog-cholera virus

Period	Produced			Destroyed	
	Simultaneous	Hyperimmunizing	Inoculating	Simultaneous	Hyperimmunizing
February 1946-----	Cc. 3,777,318	Cc. 20,370,724	Cc. 94,598	Cc. 221,005	Cc. 440,025
February 1945-----	4,332,330	16,082,299	91,001	393,950	654,235
8 months ended-----					
February 1946-----	46,367,499	153,429,928	658,133	3,189,436	4,205,513
February 1945-----	44,879,970	153,931,590	652,575	4,637,716	5,392,548

INSPECTIONS AND TESTS IN THE PRODUCTION OF HOG-CHOLERA VIRUS AND SERUM UNDER LICENSES, FEBRUARY 1946

Period	Animal inspections	Animal rejections	Pigs inoculated	Hogs hypered	Tests supervised	
					Serum	Virus
February 1946-----	264,333	3,138	23,699	15,241	379	111
February 1945-----	221,836	2,541	19,787	11,780	313	123
8 months ended-----						
February 1946-----	2,069,200	21,692	181,096	109,461	3,268	1,418
February 1945-----	2,235,227	23,378	187,114	114,955	3,542	1,429

LICENSES ISSUED FOR BIOLOGICAL PRODUCTS, FEBRUARY 1946

License No. 56 (limited to calendar year 1946) issued February 1, 1946, to The Southwestern Serum Co., 821 East Twenty-first Street, Wichita, Kans., for hog-cholera vaccine.

Licenses No. 112 issued January 23 and November 5, 1941; January 21 and May 26, 1942; January 13, March 6, and November 29, 1943; October 18, 1944; and January 1, March 23, and September 7, 1945, to Fort Dodge Serum Co., 300 First Avenue, South, Fort Dodge, Iowa, were terminated February 20, 1946, because of a change in name of the establishment, and license of the same number issued on the same date to Fort Dodge Laboratories, Inc., 300 First Avenue, South, Fort Dodge, Iowa, for anthrax spore vaccine, antibacterial serum (bovine), antibacterial serum (canine), antibacterial serum (equine), antibacterial serum (feline), antibacterial serum (porcine), antiblackleg serum, anti-canine-distemper serum, anti-canine-distemper serum and anti-bronchi-septicus-canisepcticus-streptococcus serum, anti-corynebacterium-pasteurella serum, antiencephalomyelitis serum (eastern), antiencephalomyelitis serum (eastern and western), antiencephalomyelitis serum (western), anti-feline-distemper serum, anti-hemorrhagic-septicemia serum, anti-hog-cholera serum, anti-swine-erysipelas serum, autogenous bacterin, avian tuberculin, avisepcticus-gallinarum bacterin, blackleg bacterin, blackleg cultural aggressin, botulinus antitoxin (types A and B), botulinus antitoxin (types A, B, and C), brucella abortus vaccine, canine-distemper vaccine, clostridium chauvei-septicus bacterin, corynebacterium-pasteurella bacterin, encephalomyelitis vaccine (eastern), encephalomyelitis

vaccine (eastern and western), encephalomyelitis vaccine (western), fowl-laryngotracheitis vaccine, fowl-pox vaccine, gallinarum-typhimurium bacterin, hemorrhagic-septicemia aggressin, hemorrhagic-septicemia bacterin, hog-cholera vaccine, hog-cholera virus, mallein, mixed bacterin (avian), mixed bacterin (bovine), mixed bacterin (canine), mixed bacterin (equine), mixed bacterin (feline), mixed bacterin (lepine), mixed bacterin (ovine), mixed bacterin (porcine), normal serum, ovine-ectyma vaccine, pasteurella avicida bacterin, pasteurella-salmonella cholerasuis bacterin; pigeon-pox vaccine, rabies vaccine, salmonella abortivequina bacterin, salmonella cholerasuis bacterin, staphylococcus, streptococcus bacterin, tetanus antitoxin, tetanus toxoid, tuberculin, and wart vaccine.

License No. 112 (limited for the duration of the experimental project in the control of swine erysipelas) issued January 1, 1945, to Fort Dodge Serum Company, 300 First Avenue, South, Fort Dodge, Iowa, was terminated February 20, 1946, because of a change in name of the establishment, and a limited license of the same number issued on the same date to Fort Dodge Laboratories, Inc., 300 First Avenue, South, Fort Dodge, Iowa, for erysipelothrix rhusiopathiae vaccine.

License No. 191 issued February 1, 1946, to Ashe Lockhart, Inc., 800-804 Woodswether Road, Kansas City, Mo., for encephalomyelitis vaccine (eastern) and encephalomyelitis vaccine (eastern and western).

BIOLOGICAL PRODUCTS PRODUCED AND DESTROYED IN LICENSED ESTABLISHMENTS DURING CALENDAR YEAR ENDED DECEMBER 31, 1945

(Exclusive of anti-hog-cholera serum, hog-cholera vaccine and hog-cholera virus)

(Cubic centimeters, unless otherwise stated. Figures in thousands—i. e., 000 omitted.)

Product	Quantity	
	Produced ¹	Destroyed ²
Aggressins.....	5,540	1,057
Aggressins.....disks.....	52	4
Antitoxins.....	2,612	221
Bacterins.....	255,815	17,857
Diagnostics.....	234	18
Serums.....	72,906	6,579
Toxoids.....	1,025	91
Vaccines and viruses.....	50,281	12,767
Do.....disks.....	197	111
Do.....mg.....	33,652	4,602
Total.....	388,416	38,593
Total.....disks.....	250	115
Total.....mg.....	33,652	4,602

¹ Detailed information on the production of any product within these classes may be obtained by special request.

² Includes products in course of preparation and those finished for marketing.

CERTIFICATION-OF-PEDIGREE WORK TRANSFERRED

The certification of pedigrees, which is closely associated with the importation of animals, has been transferred from the jurisdiction of the Animal Husbandry Division to that of the Field Inspection Division, effective on April 1, 1946.

AMENDMENTS TO DEPARTMENT REGULATIONS

The following amendments to the regulations of the Department have been made:

Amendment 215, covering regulations 2912, 2913, 2914, 2915, 2921, 2922.

Amendment 216, covering regulations 1645, 1647.

Amendment 217, covering regulations 1549, 1579, 1582.

NEW PUBLICATIONS OF THE BUREAU

The Bureau keeps no mailing list for sending publications to individual employees, but sends copies to officers in charge of stations and offices. These publications should be regarded as notification copies. So far as possible additional copies will be furnished on request.

Miscellaneous Publication 587. Directory of U. S. Register of Merit Sires and Dams Qualifying Under the National Poultry Improvement Plan, 1943-1944. Pp. 62.

Technical Bulletin 909. The Genetics, Physiology, and Economic Importance of the Multinipple Trait in Sheep. Pp. 16, illus.

A. H. D. 78. The Keeping Qualities of Concentrated Distillers' Solubles When Used as a Replacement or Extender for Molasses in Mixed Feeds. (Mimeo-graphed) Pp. 13.

ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY

Chief: B. T. SIMMS.

Assistant Chief: HUGH C. MCPHEE.

Assistant Chief: S. O. FLADNESS.

Assistant Chief: PAUL E. HOWE.¹

Business Manager: J. R. COHRAN.

Assistant Business Manager: N. A. OLSTEAD.

Animal Husbandry Division: HUGH C. MCPHEE, *Head Animal Husbandman in charge.*

Field Inspection Division: S. O. FLADNESS, *Head Veterinarian in charge.*

Information Division: D. S. BURCH, *Information Specialist in charge.*

Interstate Inspection Division: W. M. MACKELLAR, *Principal Veterinarian in charge.*

Pathological Division: HARRY W. SCHOENING, *Head Veterinarian in charge.*

Tuberculosis Eradication Division: A. E. WIGHT, *Principal Veterinarian in charge.*

Division of Virus-Serum Control: D. I. SKIDMORE, *Principal Veterinarian in charge.*

Zoological Division: BENJAMIN SCHWARTZ, *Principal Zoologist in charge.*

¹ On military furlough.





